



RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 09/938,903A
Source: 1600
Date Processed by STIC: 10/29/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/2003):
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Revised 10/08/2003

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1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/938,703A

DATE: 10/29/2003

TIME: 15:11:12

Input Set : A:\2023d.ST25.txt

Output Set: N:\CRF4\10292003\I938703A.raw

3 <110> APPLICANT: Samson, Michael
 4 Parmentier, Marc
 5 Vassart, Gilbert
 6 Libert, Frederick
 8 <120> TITLE OF INVENTION: Therapeutic Applications for CCR Chemokine Receptors
 10 <130> FILE REFERENCE: 9409/2023D
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/938,703A
 13 <141> CURRENT FILING DATE: 2001-08-24
 15 <150> PRIOR APPLICATION NUMBER: 09/626,939
 16 <151> PRIOR FILING DATE: 2000-07-27
 18 <150> PRIOR APPLICATION NUMBER: 09/08/833,752
 19 <151> PRIOR FILING DATE: 1997-04-09
 21 <150> PRIOR APPLICATION NUMBER: EP 96870021.1
 22 <151> PRIOR FILING DATE: 1996-03-01
 24 <150> PRIOR APPLICATION NUMBER: EP 96870102.9
 25 <151> PRIOR FILING DATE: 1996-08-06
 27 <160> NUMBER OF SEQ ID NOS: 18
 29 <170> SOFTWARE: PatentIn version 3.1
 31 <210> SEQ ID NO: 1
 32 <211> LENGTH: 792
 33 <212> TYPE: DNA
 34 <213> ORGANISM: Homo sapiens
 36 <400> SEQUENCE: 1
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 41 tatgtaggca attaaaaacc tattgtatgt taaaacagtt tgcattcatg gagggcaact 180
 43 aaatacattc taggacttta taaaagatca ctttttattt atgcacaggg tggacaacaaga 240
 45 tggattatca agtgtcaagt ccaatctatg acatcaatta ttatacatcg gagccctgcc 300
 47 aaaaaatcaa tgtgaagcaa atcgcagccc gcctcctgcc tccgctctac tcactggtgt 360
 49 tcatcttgg ttttgtggc aacatgctgg tcatcctcat cctgataaac tgcaaaaggc 420
 51 tgaagagcat gactgacatc tacctgctca acctggccat ctctgacctg ttttccttc 480
 53 ttactgtccc cttctgggct cactatgctg ccgcccagtg ggactttgga aatacaatgt 540
 55 gtcaactctt gacagggctc tattttatacg gcttcttctc tggaatcttc ttcatcatcc 600
 57 tcctgacaat cgataggtac ctggctgtcg tccatgctgt gtttgcttta aaagccagga 660
 59 cggtcacctt tgggggtggtg acaagtgtga tcacttgggt ggtggctgtg tttgcgtctc 720
 61 tcccaggaat catcttacc agatctaaa aagaaggct tcattacacc tgcaagtc 780
 63 atttccata ca 792
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 67 <211> LENGTH: 1477
 68 <212> TYPE: DNA
 69 <213> ORGANISM: Homo sapiens
 71 <220> FEATURE:
 72 <221> NAME/KEY: misc_feature

Does Not Comply
Corrected Diskette Needed

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Input Set : A:\2023d.ST25.txt

Output Set: N:\CRF4\10292003\I938703A.raw

73 <222> LOCATION: (1377)..(1377)
 74 <223> OTHER INFORMATION: Any nucleotide
 77 <220> FEATURE:
 78 <221> NAME/KEY: misc_feature
 79 <222> LOCATION: (1384)..(1385)
 80 <223> OTHER INFORMATION: Any nucleotide
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88	tatgttaggca attaaaaacc tattgtatgt taaaacagtt tgcattcatg gagggcaact	180
90	aaatacattc taggacttta taaaagatca cttttattt atgcacaggg tggaaacaaga	240
92	tggattatca agtgtcaagt ccaatctatg acatcaatta ttatacatcg gagccctgcc	300
94	aaaaaaatcaa tgtgaagcaa atcgcagccc gcctcctgcc tccgctctac tcactggtgt	360
96	tcatcttgg ttttggggc aacatgttg tcatcctcat cctgataaac tgcaaaaggc	420
98	tgaagagcat gactgacatc tacctgctca acctggccat ctctgacctg ttttccttc	480
100	ttactgtccc cttctggct cactatgtcg ccggccagggt ggactttggaa aatacaatgt	540
102	gtcaacttttt gacagggctc tattttatag gcttcttctc tggaaatcttc ttcatcatcc	600
104	tcctgacaat cgataggtac ctggctgtcg tccatgtgtt gtttgcttta aaagccagga	660
106	cggtcaccc ttgggtgggt acaagtgtga tcacttgggt ggtggctgtg tttgcgtctc	720
108	tcccaggaaat catctttacc agatctaaaa aagaaggctt tcattacacc tgcaagctctc	780
110	attttccata cagtcagtat caattctggaa agaatttcca gacattaaag atatgtcatct	840
112	tggggctggc cctggcgctg ctgtcatgg tcatctgtca ctcgggaatc ctaaaaactc	900
114	tgcttcgggt tcgaaatgag aagaagaggc acagggtgtt gaggcttac ttaccatca	960
116	tgattgttta ttttcttcc ttggctccct acaacattgt ccttctcctg aacacccctcc	1020
118	aggaatttctt tggcctgaat aattgcagta gctctaacag gttggaccaa gctatgcagg	1080
120	tgacagagac tcttggatg acgcactgtc gcatcaaccc catcatctat gccttgcgt	1140
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W-->	128 acccagtcag agttgtcac atggcttagt tttcatacac agcctgggtt gggggtnngt	1380
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137	<212> TYPE: DNA	
138	<213> ORGANISM: Homo sapiens	
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143	tcccttcaact acaaaaacttc attgcttggc caaaaagaga gttaattcaa tgttagacatc	120
145	tatgttaggca attaaaaacc tattgtatgt taaaacagtt tgcattcatg gagggcaact	180
147	aaatacattc taggacttta taaaagatca cttttattt atgcacaggg tggaaacaaga	240
149	tggattatca agtgtcaagt ccaatctatg acatcaatta ttatacatcg gagccctgcc	300
151	aaaaaaatcaa tgtgaagcaa atcgcagccc gcctcctgcc tccgctctac tcactggtgt	360
153	tcatcttgg ttttggggc aacatgttg tcatcctcat cctgataaac tgcaaaaggc	420
155	tgaagagcat gactgacatc tacctgctca acctggccat ctctgacctg ttttccttc	480
157	ttactgtccc cttctggct cactatgtcg ccggccagggt ggactttggaa aatacaatgt	540
159	gtcaacttttt gacagggctc tattttatag gcttcttctc tggaaatcttc ttcatcatcc	600
161	tcctgacaat cgataggtac ctggctgtcg tccatgtgtt gtttgcttta aaagccagga	660
163	cggtcaccc ttgggtgggt acaagtgtga tcacttgggt ggtggctgtg tttgcgtctc	720

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165	tcccaggaat	catcttacc	agatctaaa	aagaaggct	tcattacacc	tgca	gctctc	780								
167	atttccata	cattaaagat	agtcatctt	gggcgtgtcc	tgccgctgct	tgtcatggtc		840								
169	atctgctact	cgggaatcct	aaaaactctg	cttcgggtgc	gaaatgagaa	gaagaggcac		900								
171	agggctgtga	ggcttatctt	caccatcatg	attgttatt	ttctcttctg	ggctccctac		960								
173	aacattgtcc	ttctcctgaa	caccttccag	gaattcttg	gcctgaataa	ttgcagtagc		1020								
175	tctaaccagg	tggaccaagc	tatgcagggt	acagagactc	ttgggatgac	gcaactgctgc		1080								
177	atcaacccca	tcatctatgc	cttgcggg	gagaagttca	gaaactacct	cttagtctc		1140								
179	ttccaaaagc	acattgccaa	acgcttctgc	aaatgctgtt	ctatttcca	gcaagaggct		1200								
181	cccgagcgg	caagctca	ttacaccgaa	tccactgggg	agcagggaaat	atctgtgggc		1260								
183	ttgtgacacg	gactcaagt	ggctgggtgac	ccagtcagag	ttgtgcacat	ggcttagtt		1320								
185	tcatacacag	cctgggctgg	gggtgggtgg	gaggctttt	ttaaaaggaa	gttactgtta		1380								
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189	tc							1442								
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193	<211>	LENGTH:	184													
194	<212>	TYPE:	PRT													
195	<213>	ORGANISM:	Homo sapiens													
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203	Ser	Glu	Pro	Cys	Gln	Lys	Ile	Asn	Val	Lys	Gln	Ile	Ala	Ala	Arg	Leu
204									20			25				30
207	Leu	Pro	Pro	Leu	Tyr	Ser	Leu	Val	Phe	Ile	Phe	Gly	Phe	Val	Gly	Asn
208									35			40				45
211	Met	Leu	Val	Ile	Leu	Ile	Leu	Ile	Asn	Cys	Lys	Arg	Leu	Lys	Ser	Met
212									50			55				60
215	Thr	Asp	Ile	Tyr	Leu	Leu	Asn	Leu	Ala	Ile	Ser	Asp	Leu	Phe	Phe	Leu
216									65			70				80
219	Leu	Thr	Val	Pro	Phe	Trp	Ala	His	Tyr	Ala	Ala	Ala	Gln	Trp	Asp	Phe
220									85			90				95
223	Gly	Asn	Thr	Met	Cys	Gln	Leu	Leu	Thr	Gly	Leu	Tyr	Phe	Ile	Gly	Phe
224									100			105				110
227	Phe	Ser	Gly	Ile	Phe	Phe	Ile	Ile	Leu	Leu	Thr	Ile	Asp	Arg	Tyr	Leu
228									115			120				125
231	Ala	Val	Val	His	Ala	Val	Phe	Ala	Leu	Lys	Ala	Arg	Thr	Val	Thr	Phe
232									130			135				140
235	Gly	Val	Val	Thr	Ser	Val	Ile	Thr	Trp	Val	Val	Ala	Val	Phe	Ala	Ser
236									145			150				160
239	Leu	Pro	Gly	Ile	Ile	Phe	Thr	Arg	Ser	Gln	Lys	Glu	Gly	Leu	His	Tyr
240									165			170				175
243	Thr	Cys	Ser	Ser	His	Phe	Pro	Tyr								
244									180							
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248	<211>	LENGTH:	352													
249	<212>	TYPE:	PRT													
250	<213>	ORGANISM:	Homo sapiens													
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255	1								5			10				15

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Input Set : A:\2023d.ST25.txt
 Output Set: N:\CRF4\10292003\I938703A.raw

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258 Ser Glu Pro Cys Gln Lys Ile Asn Val Lys Gln Ile Ala Ala Arg Leu
259      20          25          30
262 Leu Pro Pro Leu Tyr Ser Leu Val Phe Ile Phe Gly Phe Val Gly Asn
263      35          40          45
266 Met Leu Val Ile Leu Ile Leu Ile Asn Cys Lys Arg Leu Lys Ser Met
267      50          55          60
270 Thr Asp Ile Tyr Leu Leu Asn Leu Ala Ile Ser Asp Leu Phe Phe Leu
271 65          70          75          80
274 Leu Thr Val Pro Phe Trp Ala His Tyr Ala Ala Ala Gln Trp Asp Phe
275      85          90          95
278 Gly Asn Thr Met Cys Gln Leu Leu Thr Gly Leu Tyr Phe Ile Gly Phe
279      100         105         110
282 Phe Ser Gly Ile Phe Phe Ile Ile Leu Leu Thr Ile Asp Arg Tyr Leu
283      115         120         125
286 Ala Val Val His Ala Val Phe Ala Leu Lys Ala Arg Thr Val Thr Phe
287      130         135         140
290 Gly Val Val Thr Ser Val Ile Thr Trp Val Val Ala Val Phe Ala Ser
291 145          150          155          160
294 Leu Pro Gly Ile Ile Phe Thr Arg Ser Gln Lys Glu Gly Leu His Tyr
295      165         170         175
298 Thr Cys Ser Ser His Phe Pro Tyr Ser Gln Tyr Gln Phe Trp Lys Asn
299      180         185         190
302 Phe Gln Thr Leu Lys Ile Val Ile Leu Gly Leu Val Leu Pro Leu Leu
303      195         200         205
306 Val Met Val Ile Cys Tyr Ser Gly Ile Leu Lys Thr Leu Leu Arg Cys
307      210         215         220
310 Arg Asn Glu Lys Lys Arg His Arg Ala Val Arg Leu Ile Phe Thr Ile
311 225          230          235          240
314 Met Ile Val Tyr Phe Leu Phe Trp Ala Pro Tyr Asn Ile Val Leu Leu
315      245         250         255
318 Leu Asn Thr Phe Gln Glu Phe Phe Gly Leu Asn Asn Cys Ser Ser Ser
319      260         265         270
322 Asn Arg Leu Asp Gln Ala Met Gln Val Thr Glu Thr Leu Gly Met Thr
323      275         280         285
326 His Cys Cys Ile Asn Pro Ile Ile Tyr Ala Phe Val Gly Glu Lys Phe
327      290         295         300
330 Arg Asn Tyr Leu Leu Val Phe Phe Gln Lys His Ile Ala Lys Arg Phe
331 305          310          315          320
334 Cys Lys Cys Cys Ser Ile Phe Gln Gln Glu Ala Pro Glu Arg Ala Ser
335      325         330         335
338 Ser Val Tyr Thr Arg Ser Thr Gly Glu Gln Glu Ile Ser Val Gly Leu
339      340         345         350
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343 <211> LENGTH: 215
344 <212> TYPE: PRT
345 <213> ORGANISM: Homo sapiens
347 <400> SEQUENCE: 6
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353 Ser Glu Pro Cys Gln Lys Ile Asn Val Lys Gln Ile Ala Ala Arg Leu
 354 20 25 30
 357 Leu Pro Pro Leu Tyr Ser Leu Val Phe Ile Phe Gly Phe Val Gly Asn
 358 35 40 45
 361 Met Leu Val Ile Leu Ile Asn Cys Lys Arg Leu Lys Ser Met
 362 50 55 60
 365 Thr Asp Ile Tyr Leu Leu Asn Leu Ala Ile Ser Asp Leu Phe Phe Leu
 366 65 70 75 80
 369 Leu Thr Val Pro Phe Trp Ala His Tyr Ala Ala Ala Gln Trp Asp Phe
 370 85 90 95
 373 Gly Asn Thr Met Cys Gln Leu Leu Thr Gly Leu Tyr Phe Ile Gly Phe
 374 100 105 110
 377 Phe Ser Gly Ile Phe Phe Ile Ile Leu Leu Thr Ile Asp Arg Tyr Leu
 378 115 120 125
 381 Ala Val Val His Ala Val Phe Ala Leu Lys Ala Arg Thr Val Thr Phe
 382 130 135 140
 385 Gly Val Val Thr Ser Val Ile Thr Trp Val Val Ala Val Phe Ala Ser
 386 145 150 155 160
 389 Leu Pro Gly Ile Ile Phe Thr Arg Ser Gln Lys Glu Gly Leu His Tyr
 390 165 170 175
 393 Thr Cys Ser Ser His Phe Pro Tyr Ile Lys Asp Ser His Leu Gly Ala
 394 180 185 190
 397 Gly Pro Ala Ala Ala Cys His Gly His Leu Leu Leu Gly Asn Pro Lys
 398 195 200 205
 401 Asn Ser Ala Ser Val Ser Lys
 402 210 215
 405 <210> SEQ ID NO: 7
 406 <211> LENGTH: 360
 407 <212> TYPE: PRT
 408 <213> ORGANISM: Homo sapiens
 410 <220> FEATURE:
 411 <221> NAME/KEY: MISC_FEATURE
 412 <222> LOCATION: (325)..(327)
 413 <223> OTHER INFORMATION: Xaa = any amino acid
 416 <400> SEQUENCE: 7
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 419 1 5 10 15
 422 Gly Glu Glu Val Thr Thr Phe Phe Asp Tyr Asp Tyr Gly Ala Pro Cys
 423 20 25 30
 426 His Lys Phe Asp Val Lys Gln Ile Gly Ala Gln Leu Leu Pro Pro Leu
 427 35 40 45
 430 Tyr Ser Leu Val Phe Ile Phe Gly Phe Val Gly Asn Met Leu Val Val
 431 50 55 60
 434 Leu Ile Leu Ile Asn Cys Lys Lys Leu Lys Cys Leu Thr Asp Ile Tyr
 435 65 70 75 80
 438 Leu Leu Asn Leu Ala Ile Ser Asp Leu Leu Phe Ile Ile Thr Leu Pro
 439 85 90 95
 442 Leu Trp Ala His Ser Ala Ala Asn Glu Trp Val Phe Gly Asn Ala Met
 443 100 105 110

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<210> SEQ ID NO 14
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<213> ORGANISM: Artificial Sequence
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<223> OTHER INFORMATION: :
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27

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27

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<211> LENGTH: 27
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<213> ORGANISM: Artificial Sequence
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<223> OTHER INFORMATION: :
<400> SEQUENCE: 17
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See p. 7
for error explanation

RAW SEQUENCE LISTING ERROR SUMMARY
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FYI
Input Set : A:\2023d.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1377,1384,1385
Seq#:7; Xaa Pos. 325,326,327
Seq#:8; Xaa Pos. 231,232,233,333,334,335
Seq#:10; Xaa Pos. 145,146,147,321,322,323

Use of <220> Feature(NEW RULES):

error explanation
Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or "Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:14,15,16,17

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/938,703A

DATE: 10/29/2003

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Input Set : A:\2023d.ST25.txt

Output Set: N:\CRF4\10292003\I938703A.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1320
M:341 Repeated in SeqNo=2
L:498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:320
L:585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:224
M:341 Repeated in SeqNo=8
L:775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:144
M:341 Repeated in SeqNo=10
L:889 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
L:891 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial Sequence
L:891 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial Sequence
L:891 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14, Line#:891
L:898 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15
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L:900 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15, Line#:900
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ORGANISM:Artificial Sequence
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ORGANISM:Artificial Sequence
L:909 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16, Line#:909
L:916 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:17
L:918 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:17, <213>
ORGANISM:Artificial Sequence
L:918 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:17, <213>
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